

THAT WHICH IS CLAIMED IS:

1. A process for preparing a lubricating base oil and a gas oil by contacting, under catalytic dewaxing conditions, a petroleum derived wax with a catalyst composition comprising at least a hydrogenation component, a binder and zeolite crystallites having pores consisting of 12 oxygen atoms, wherein the zeolite crystallites have a constrain index (CI) larger than 1 and wherein from the effluent of the process a base oil fraction and a gas oil fraction is isolated and wherein the gas oil yield is larger than the yield to the fraction boiling below the gas oil fraction.
2. A process according to claim 1, wherein the wax feed has an oil content of between 0 and 50 wt%.
3. A process according to claim 2, wherein the wax feed has an oil content of between 0 and 20 wt%.
4. A process according to claim 3, wherein the wax feed is a slack wax or a foots oil.
5. A process according to claim 4, wherein the wax feed contains less than 10 ppmw organic nitrogen.
6. A process according to claim 5, wherein the zeolite crystallites have a constrain index (CI) larger than 1.5.
7. A process according to claim 6, wherein the zeolite crystallites have a constrain index (CI) smaller than 7.
8. A process according to claim 7, wherein the zeolite is of the OFF or MTW type.
9. A process according to claim 8, wherein the zeolite content is in the range of from 5 to 35 wt%.
10. A process according to claim 9, wherein the binder is silica.